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| <b>U.S. DEPARTMENT OF COMMERCE</b><br><b>PATENT AND TRADEMARK OFFICE</b><br><br><b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</b><br>(Use several sheets if necessary) | ATTY. DOCKET NO.<br>930120.401USPC    | APPLICATION NO.<br>10/575,063 |
|   | APPLICANTS<br>Robert J. Harman et al. |                               |
|   | FILING DATE<br>February 1, 2007       | GROUP ART UNIT<br>1651        |

### U.S. PATENT DOCUMENTS

| *EXAMINER<br>INITIAL |    | DOCUMENT NUMBER | DATE     | NAME             | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|----------------------|----|-----------------|----------|------------------|-------|----------|-------------------------------|
|                      | 1  | 4,868,121       | 09/19/89 | Scharp et al.    | 435   | 268      |                               |
|                      | 2  | 5,079,160       | 01/07/92 | Lacy et al.      | 435   | 240.2    |                               |
|                      | 3  | 5,197,985       | 03/30/93 | Caplan et al.    | 623   | 16       |                               |
|                      | 4  | 5,226,914       | 07/13/93 | Caplan et al.    | 623   | 16       |                               |
|                      | 5  | 5,422,261       | 06/06/95 | Lee et al.       | 435   | 219      |                               |
|                      | 6  | 5,424,208       | 06/13/95 | Lee et al.       | 435   | 268      |                               |
|                      | 7  | 5,486,359       | 01/23/96 | Caplan et al.    | 424   | 93.7     |                               |
|                      | 8  | 5,744,360       | 04/28/98 | Hu et al.        | 435   | 366      |                               |
|                      | 9  | 5,786,207       | 07/28/98 | Katz et al.      | 435   | 267      |                               |
|                      | 10 | 5,811,094       | 09/22/98 | Caplan et al.    | 424   | 93.7     |                               |
|                      | 11 | 5,827,735       | 10/27/98 | Young et al.     | 435   | 325      |                               |
|                      | 12 | 5,827,740       | 10/27/98 | Pittenger        | 435   | 372      |                               |
|                      | 13 | 5,830,510       | 11/03/98 | Petitite et al.  | 424   | 582      |                               |
|                      | 14 | 5,837,539       | 11/17/98 | Caplan et al.    | 435   | 332      |                               |
|                      | 15 | 5,855,619       | 01/05/99 | Caplan et al.    | 623   | 11       |                               |
|                      | 16 | 5,906,934       | 05/25/99 | Grande et al.    | 435   | 325      |                               |
|                      | 17 | 5,908,784       | 06/01/99 | Johnstone et al. | 435   | 372      |                               |
|                      | 18 | 6,010,696       | 01/04/00 | Caplan et al.    | 424   | 93.7     |                               |
|                      | 19 | 6,020,196       | 02/01/00 | Hu et al.        | 435   | 366      |                               |
|                      | 20 | 6,022,540       | 02/08/00 | Bruder et al.    | 424   | 133.1    |                               |
|                      | 21 | 6,100,047       | 08/08/00 | Wilkison et al.  | 435   | 7.2      |                               |
|                      | 22 | 6,153,432       | 11/28/00 | Halvorsen et al. | 435   | 377      |                               |
|                      | 23 | 6,214,369       | 04/10/01 | Grande et al.    | 424   | 423      |                               |
|                      | 24 | 6,242,200       | 06/05/01 | Wilkison et al.  | 435   | 7.21     |                               |
|                      | 25 | 6,255,112       | 07/03/01 | Thiede et al.    | 435   | 440      |                               |
|                      | 26 | 6,322,784       | 11/27/01 | Pittenger et al. | 424   | 93.7     |                               |

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|----------------------|-----------------|--------------|----------|---------------------|----------|-------------------------------|
|                      | 27              | 6,355,239    | 03/12/02 | Bruder et al.       | 424      | 93.1                          |
|                      | 28              | 6,387,367    | 05/14/02 | Davis-Sproul et al. | 424      | 93.1                          |
|                      | 29              | 6,391,297    | 05/21/02 | Halvorsen           | 424      | 93.7                          |
|                      | 30              | 6,429,013    | 08/06/02 | Halvorsen et al.    | 435      | 377                           |
|                      | 31              | 6,482,231    | 11/19/02 | Abatangelo et al.   | 623      | 11.11                         |
|                      | 32              | 6,492,130    | 12/10/02 | Wilkison et al.     | 435      | 14                            |
|                      | 33              | 6,541,024    | 04/01/03 | Kadiyala et al.     | 424      | 426                           |
|                      | 34              | 6,555,374    | 04/29/03 | Gimble et al.       | 435      | 371                           |
|                      | 35              | 6,569,633    | 05/27/03 | Wilkison et al.     | 435      | 7.21                          |
|                      | 36              | 6,589,728    | 07/08/03 | Csete et al.        | 435      | 4                             |
|                      | 37              | 6,607,498    | 08/19/03 | Eshel               | 601      | 2                             |
|                      | 38              | 6,610,535    | 08/26/03 | Lu et al.           | 435      | 325                           |
|                      | 39              | 6,630,154    | 10/07/03 | Fraker et al.       | 424      | 423                           |
|                      | 40              | 6,709,864    | 03/23/04 | Pittenger et al.    | 435      | 372                           |
|                      | 41              | 6,767,738    | 07/27/04 | Gage et al.         | 435      | 325                           |
|                      | 42              | 6,777,231    | 08/17/04 | Katz et al.         | 435      | 325                           |
|                      | 43              | 6,849,255    | 02/01/05 | Gazit et al.        | 424      | 93.21                         |
|                      | 44              | 7,429,488    | 09/30/08 | Fraser et al.       | 435      | 366                           |
|                      | 45              | 7,470,537    | 12/30/08 | Hedrick et al.      | 435      | 325                           |
|                      | 46              | 2001/0033834 | 10/25/01 | Wilkison et al.     | 424      | 93.7                          |
|                      | 47              | 2002/0005205 | 01/17/02 | Barry et al.        | 128      | 898                           |
|                      | 48              | 2002/0039572 | 04/04/02 | Downs               | 424      | 93.21                         |
|                      | 49              | 2002/0076400 | 06/20/02 | Katz et al.         | 424      | 93.21                         |
|                      | 50              | 2002/0106353 | 08/08/02 | Wood et al.         | 424      | 93.7                          |
|                      | 51              | 2002/0115647 | 08/22/02 | Halvorsen et al.    | 514      | 171                           |
|                      | 52              | 2002/0119126 | 08/29/02 | Halvorsen           | 424      | 93.7                          |

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|----------------------|----|-----------------|----------|---------------------|-------|----------|-------------------------------|
|                      | 53 | 2002/0155096    | 10/24/02 | Chancellor et al.   | 424   | 93.7     |                               |
|                      | 54 | 2003/0031695    | 02/13/03 | Kadiyala et al.     | 424   | 423      |                               |
|                      | 55 | 2003/0054331    | 03/20/03 | Fraser et al.       | 435   | 2        |                               |
|                      | 56 | 2003/0082152    | 05/01/03 | Hedrick et al.      | 424   | 93.21    |                               |
|                      | 57 | 2003/0118566    | 06/26/03 | Neuman et al.       | 424   | 93.21    |                               |
|                      | 58 | 2003/0124721    | 07/03/03 | Cheatham et al.     | 435   | 366      |                               |
|                      | 59 | 2003/0161816    | 08/28/03 | Fraser et al.       | 424   | 93.7     |                               |
|                      | 60 | 2003/0166278    | 09/04/03 | Gimble et al.       | 435   | 377      |                               |
|                      | 61 | 2003/0185807    | 10/02/03 | Gazit et al.        | 424   | 93.21    |                               |
|                      | 62 | 2003/0202966    | 10/30/03 | Prockop et al.      | 424   | 93.7     |                               |
|                      | 63 | 2003/0203483    | 10/30/03 | Seshi               | 435   | 366      |                               |
|                      | 64 | 2004/0009157    | 01/15/04 | Gazit et al.        | 424   | 93.21    |                               |
|                      | 65 | 2004/0018174    | 01/29/04 | Palasis             | 424   | 93.7     |                               |
|                      | 66 | 2004/0033214    | 02/19/04 | Young et al.        | 424   | 93.7     |                               |
|                      | 67 | 2004/0037810    | 02/26/04 | Von Heimburg et al. | 424   | 93.7     |                               |
|                      | 68 | 2004/0067218    | 04/08/04 | Castella et al.     | 424   | 93.7     |                               |
|                      | 69 | 2004/0067219    | 04/08/04 | Vida                | 424   | 93.7     |                               |
|                      | 70 | 2004/0092011    | 05/13/04 | Wilkison et al.     | 435   | 366      |                               |
|                      | 71 | 2004/0096431    | 05/20/04 | Fraser et al.       | 424   | 93.7     |                               |
|                      | 72 | 2004/0097867    | 05/20/04 | Fraser et al.       | 604   | 27       |                               |
|                      | 73 | 2004/0106196    | 06/03/04 | Fraser et al.       | 435   | 366      |                               |
|                      | 74 | 2004/0107453    | 06/03/04 | Furcht et al.       | 800   | 18       |                               |
|                      | 75 | 2004/0151706    | 08/05/04 | Shakhov et al.      | 424   | 93.7     |                               |
|                      | 76 | 2004/0152190    | 08/05/04 | Sumita              | 435   | 369      |                               |
|                      | 77 | 2004/0166097    | 08/26/04 | Prockop et al.      | 424   | 93.7     |                               |
|                      | 78 | 2005/0008626    | 01/13/05 | Fraser et al.       | 424   | 93.21    |                               |

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|----------------------|-----------------|----------|---------------|-------|----------|-------------------------------|
| 79                   | 2005/0076396    | 04/07/05 | Katz et al.   | 800   | 8        |                               |
| 80                   | 2005/0260174    | 11/24/05 | Fraser et al. | 424   | 93.7     |                               |
| 81                   |                 |          |               |       |          |                               |

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### FOREIGN PATENT DOCUMENTS

| *EXAMINER<br>INITIAL. |    | DOCUMENT NUMBER | DATE     | COUNTRY | TRANSLATION<br>YES NO |  |
|-----------------------|----|-----------------|----------|---------|-----------------------|--|
|                       | 1  | AU 2009201915   | 05/14/09 | AU      |                       |  |
|                       | 2  | WO 96/28539     | 09/19/96 | PCT     |                       |  |
|                       | 3  | WO 98/32450     | 07/30/98 | PCT     |                       |  |
|                       | 4  | WO 00/53795     | 09/14/00 | PCT     |                       |  |
|                       | 5  | WO 01/80865     | 11/01/01 | PCT     |                       |  |
|                       | 6  | WO 03/010243    | 02/06/03 | PCT     |                       |  |
|                       | 7  | WO 03/022988    | 03/20/03 | PCT     |                       |  |
|                       | 8  | WO 03/053346    | 07/03/03 | PCT     |                       |  |
|                       | 9  | WO 03/080801    | 10/02/03 | PCT     |                       |  |
|                       | 10 | WO 2004/022078  | 03/18/04 | PCT     |                       |  |
|                       | 11 | WO 2005/035742  | 04/21/05 | PCT     |                       |  |
|                       | 12 | WO 2010/020005  | 02/25/10 | PCT     |                       |  |
|                       | 13 |                 |          |         |                       |  |

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**NON-PATENT LITERATURE DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

|    |  |
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| 1  | Black et al., "Effect of Adipose-Derived Mesenchymal Stem and Regenerative Cells on Lameness in Dogs with Chronic Osteoarthritis of the Coxofemoral Joints: A Randomized, Double-Blinded, Multicenter, Controlled Trial," <i>Veterinary Therapeutics</i> 8(4):272-284, 2007. |
| 2  | Black et al., "Effect of Intraarticular Injection of Autologous Adipose-Derived Mesenchymal Stem and Regenerative Cells on Clinical Signs of Chronic Osteoarthritis of the Elbow Joint in Dogs," <i>Veterinary Therapeutics</i> 9(3):192-200, 2008.                          |
| 3  | Boquest et al., "Isolation and Transcription Profiling of Purified Uncultured Human Stromal Cells: Alteration of Gene Expression after In Vitro Cell Culture," <i>Molecular Biology of the Cell</i> 16:1131-1141, 2005.  |
| 4  | Garcia-Olmo et al., "Treatment of enterocutaneous fistula in Crohn's Disease with adipose-derived stem cells: a comparison of protocols with and without cell expansion," <i>Int J Colorectal Dis</i> 24:27-30, 2009.  |
| 5  | Hamudikuwanda et al., "Adipose tissue progesterone concentrations in dairy cows during late pregnancy and early lactation," <i>Animal Reproduction Science</i> 43:15-23, 1996.   |
| 6  | Nixon et al., "Effect of adipose-derived nucleated cell fractions on tendon repair in horses with collagenase-induced tendinitis," <i>Am J Vet Res</i> 69(7):928-937, 2008.  |
| 7  | Office Action issued in European Application No. 04 794 539.9 – 2401, mailed August 10, 2009, 5 pages.   |
| 8  | Office Action issued in European Application No. 04 794 539.9 – 2401, mailed March 19, 2010, 5 pages.  |
| 9  | Traktuev et al., "A Population of Multipotent CD34-Positive Adipose Stromal Cells Share Pericyte and Mesenchymal Surface Markers, Reside in a Periendothelial Location, and Stabilize Endothelial Networks," <i>Circ Res</i> 102:77-85, 2008.                                |
| 10 | Varma et al., "Phenotypic and functional characterization of freshly isolated adipose tissue-derived stem cells," <i>Stem Cells Dev</i> 16(1):91-104, 2007 (abstract only).  |
| 11 | Yoshimura et al., "Characterization of freshly isolated and cultured cells derived from the fatty and fluid portions of liposuction aspirates," <i>J Cell Physiol</i> 208(1):64-76, 2006 (abstract only).  |
| 12 | Zhu et al., "The effect of age on osteogenic, adipogenic and proliferative potential of female adipose-derived stem cells," <i>J Tissue Eng Regen Med</i> 3:290-301, 2009.   |
| 13 |  |

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